

08/978839

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~~und Energietechnik~~
~~Our code: 001/95/DE~~

Abstract of the Disclosure
SUMMARY

^a
In ¹ ~~this~~ process for gasifying and burning waste materials, the waste materials are introduced into an incinerator (1) and end up on a burning grate (6) to which ^{combustion} ~~air is conducted by means of~~ ^{through} various undergrate forced draft chambers (8a to 8e). In the first area, ^{combustion} ~~air~~ is introduced at a superstoichiometric level in order to ignite the waste materials. Then, via the undergrate forced draft chambers (8c to 8e), oxygen is mixed into the air which is used for the gasification, ^{hereby} ~~at the~~ ^{results in} ~~same time~~ establishing a substoichiometric level which ^{the} ~~leads to~~ ^{result from this} gasification of the waste materials. ^a ~~These~~ ^{the} combustible gases which ^{come about in the} ~~process~~ pass via ^a ~~the~~ waste gas flue (12) into a second furnace (2), in which the gases are burned at a superstoichiometric level through the introduction of combustion air. The resulting waste gases pass to a heat exchanger (3).

~~(Figure)~~